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June 8, 2016

Via Certified Mail - Return Receipt Requested

Jacqueline H. and James D. Gilmur
8027 NE 175th
Kenmore, WA 98028

Gilmur Living Trust
8027 NE 175th
Kenmore, WA 98028

Duwamish Marine Center, Inc.
c/o James Gilmur, President
16 S Michigan St
Seattle, WA 98108

RECEIVED ON:

JUN 14 2016

ORC

EPA Region 10
Office of the Regional Administrator

Re: **NOTICE OF INTENT TO SUE UNDER THE CLEAN WATER ACT AND
REQUEST FOR COPY OF STORMWATER POLLUTION PREVENTION
PLAN**

We represent Puget Soundkeeper Alliance ("Soundkeeper"), 130 Nickerson Street, Suite 107, Seattle, WA 98109, (206) 297-7002. Any response or correspondence related to this matter should be directed to Smith & Lowney at the letterhead address. This letter is to provide you with sixty days notice of Soundkeeper's intent to file a citizen suit against the Duwamish Marine Center, Inc., Jacqueline H. and James D. Gilmur, and the Gilmur Living Trust under section 505 of the Clean Water Act ("CWA"), 33 U.S.C. § 1365, for the violations described below. This letter is also a request for a copy of the complete and current stormwater pollution prevention plan ("SWPPP") required by the National Pollution Discharge Elimination System ("NPDES") permit.

Samson Tug and Barge Co, Inc. ("Samson") is an interstate shipping company that operates a facility located at or about 6361 1st Ave S, Seattle WA 98108, including any contiguous or adjacent properties owned or operated by Defendants (the "facility"). Samson was granted coverage effective March 12, 2009, under Washington's Industrial Stormwater General Permit ("ISGP") issued by the Washington Department of Ecology ("Ecology") on August 21, 2002, effective September 20, 2002, modified on December 1, 2004, reissued on August 15, 2007, effective September 15, 2007, reissued again on October 15, 2008, effective November 15, 2008, and remaining effective through December 31, 2009, under NPDES permit No. SO3011484 (the "2002 Permit"). Samson was granted coverage under the subsequent iteration of the Washington ISGP issued by Ecology on October 21, 2009, effective January 1, 2010, modified May 16, 2012, effective July 1, 2012, and remaining

effective through January 1, 2015, under NPDES Permit No. WAR011484 (the "2010 Permit"). Ecology granted coverage under the current iteration of the ISGP, issued by Ecology on December 3, 2014, effective January 2, 2015, and set to expire on December 31, 2019, (the "2015 Permit") and maintains the same permit number, WAR011484.

Based on information available to Soundkeeper, Duwamish Marine Center operates primarily as a transfer facility for sediments being shipped to Waste Management in Seattle at the same or contiguous property as Samson located at or about 16 S Michigan St, Seattle, WA 98108, and should be a designated co-permittee with Samson under permit number, WAR011484.

Based on information available to Soundkeeper, Jacqueline H. and James D. Gilmur and the Gilmur Living Trust have an ownership and/or management interest in the property that makes them legally responsible for the violations asserted herein.

I. UNPERMITTED DISCHARGES

The CWA, 33 U.S.C. §§ 1311 and 1342, prohibits the discharge of pollutants, including stormwater associated with industrial activity, to waters of the United States, except as authorized by a National Pollutant Discharge Elimination System ("NPDES") permit. Duwamish Marine Center has violated and continues to violate Section 301(a) of the CWA, 33 U.S.C. § 1311(a), by discharging pollutants from its facility to waters of the United States without a NPDES permit.

Duwamish Marine Center discharges industrial stormwater and pollutants to the Duwamish Waterway directly and/or via a stormwater drainage system. On information and belief these pollutants include turbidity, suspended and dissolved solids, oxygen demanding substances, hydrocarbons, and metals, including copper and zinc. These violations of the CWA have occurred on each day from July 7, 2011, through the present during which there was a stormwater discharge from the facility, generally including days on which there has been at least 0.1 inch of precipitation, and continue to occur. Precipitation data from Boeing Field - King County International Airport (KBFI) identifying such days is appended to this notice of intent to sue. The violations alleged in this notice of intent to sue will continue until the Duwamish Marine Center obtains and comes into compliance with the 2015 Permit authorizing such discharges.¹

Should Duwamish Marine Center currently be a co-permittee or obtain NPDES Permit coverage for the facility, compliance with the Permits require Duwamish Marine Center to correct the deficiencies identified below. Soundkeeper hereby provides notice of its intent to sue for these violations of the Permits.

¹ Soundkeeper is aware that Samson's SWPPP includes the Duwamish Marine Center, but the permit records do not indicate Duwamish Marine Center and Samson Tug and Barge are co-permittees at the facility.

II. COMPLIANCE WITH STANDARDS.

Samson and Duwamish Marine Center have violated and continue to violate the terms and conditions of the 2010 Permit and 2015 Permit (collectively, the "Permits") with respect to operations of, and discharges of stormwater and pollutants from, its facility, Samson Tug and Barge Co and Duwamish Marine Center located at or near 6361 1st Ave S, Seattle WA 98108-3228 (the "Facility"). The facility subject to this notice includes any contiguous or adjacent properties owned or operated by Defendants.

A. Violations of Water Quality Standards.

Condition S10.A of the Permits prohibit discharges that cause or contribute to violations of water quality standards. Water quality standards are the foundation of the CWA and Washington's efforts to protect clean water. In particular, water quality standards represent the U.S. Environmental Protection Agency ("EPA") and Ecology's determination, based on scientific studies, of the thresholds at which pollution starts to cause significant adverse effects on fish or other beneficial uses. For each water body in Washington, Ecology designates the "beneficial uses" that must be protected through the adoption of water quality standards.

A discharger must comply with both narrative and numeric water quality standards. WAC 173-201A-010; WAC 173-201A-510 ("No waste discharge permit can be issued that causes or contributes to a violation of water quality criteria, except as provided for in this chapter."). Narrative water quality standards provide legal mandates that supplement the numeric standards. Furthermore, narrative water quality standards apply with equal force, even when Ecology has established numeric water quality standards. Specifically, Condition S10.A of the Permits require Samson's discharges not cause or contribute to violations of Washington State's water quality standards.

Samson and Duwamish Marine Center discharge stormwater to the Lower Duwamish Waterway. Samson discharges stormwater that contains elevated levels of copper, zinc, and turbidity as indicated in the table of discharge monitoring data below. Further, the data provided in the tables below represent samples collected from only one of the facility's discharge points. Discharges of stormwater and/or wastewater from the facility cause and/or contribute to violations of water quality standards for zinc, copper, oil sheen, and turbidity and have occurred each and every day during the last five years on which there was 0.1 inch or more of precipitation, and continue to occur. These water quality standards include those set forth in WAC 173-201A-200(1)(e), -240, and -260(2). Precipitation data from the last five years are appended to this notice of intent to sue and identify days when precipitation met or exceed 0.1 inches per day.

Additionally, Ecology conducted a stormwater sampling inspection at the Facility in February of 2015 which returned results that showed facility discharge exceeded one or more water quality criteria for copper, lead, mercury, nickel, zinc, total PCB congeners, dioxins and furans, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, indeno(1,2,3-cd)pyrene, bis(2-Ethylhexyl)phthalate, 2,4,6-trichlorophenol, pentachlorophenol, bis-(2-chloroethyl) ether, hexachlorobenzene, N-

nitrosodimethylamine, N-nitroso-di-N-propylamine, and total suspended solids. See Leidos, Lower Duwamish Waterway NPDES Inspection Sampling Report 2014/2015, Samson Tug & Barge available at <https://fortress.wa.gov/ecy/gsp/DocViewer.ashx?did=47740>.

TABLE 1: DISCHARGE MONITORING REPORT ("DMR") DATA FOR SAMSON FACILITY OUTFALL 1 (Bioswale)								
Quarter in which sample collected	Turbidity (Benchmark 25 NTU)	pH (Benchmark 5-9 su)	Zinc (Benchmark 117 µg/L)	Oil Sheen (Y/N)	Copper (Benchmark 14 µg/L)	Total Suspended Solids* (mg/L)	Diesel NWTPHDx (Benchmark <= 10 mg/L)	Notes
1Q 2010	1000	8.5	703	Y	249			
2Q 2010								No DMR
3Q 2010	59.8	8	97.7	N	51.3			
4Q 2010	2000	8	4330	N	1640			Late Submittal
1Q 2011	923.4	8	362	N	122			
2Q 2011	763.4	7.5	676	N	180			
3Q 2011	1312	6.5	713	N	204			Late Submittal
4Q 2011								Late Submittal, ND
1Q 2012	670	6.7	315	N	120			Late Submittal
2Q 2012	3000	8.6	1060	N	365			
3Q 2012								ND
4Q 2012	3000	8.7	616	N	146			
1Q 2013	12	8.2	23.8	N	5.12			
2Q 2013	954	8.4	1680	N	399			
3Q 2013								No DMR
4Q 2013	226	8.1	817	N	172			
1Q 2014	294	6.6	520	N	136			
2Q 2014	188	7.9	168	N	54.9			Late Submittal
3Q 2014								No DMR
4Q 2014								No DMR
1Q 2015	>3000	8.5	5490	N	1060	22300	.925	
2Q 2015								ND
3Q 2015	4	6.7	12.9	N	6.71	<5	<1	
4Q 2015	5	6.4	5.04	N	3.61	<5	.38	
1Q 2016	6.4	8.1	29.186	N	4.612	14	<.15	(Averages)

Key: Bold = benchmark exceedances; "ND" = Reported No Discharge; "NC" = Analysis not conducted.

* Total Suspended Solids (TSS) - Reporting Only - On ISGP 303(d) TSS Compliance Schedule.

B. Compliance with Standards.

Condition S10.C of the Permits requires Samson and Duwamish Marine Center to apply all known and reasonable methods of prevention, control and treatment ("AKART") to all discharges, including preparing and implementing an adequate SWPPP and best management practices ("BMPs"). Samson and Duwamish Marine Center have violated and continue to violate these conditions by failing to apply AKART to discharges by, among other things, failing to implement an adequate SWPPP and BMPs as evidenced by the elevated levels of pollutants in its discharge. *See* Table 1; Section II. These violations have occurred on each and every day for the previous five years and continue to occur every day.

Condition S1.A of the Permits require that all discharges and activities authorized be consistent with the terms and conditions of the permit. Samson and Duwamish Marine Center have violated this condition by discharging and acting inconsistent with the conditions of the Permits as described in this Notice of Intent to Sue.

III. STORMWATER POLLUTION PREVENTION PLAN VIOLATIONS.

Samson and Duwamish Marine Center have not developed and implemented a SWPPP that complies with the requirements of the Permits. In the following section, upon information and belief, Soundkeeper asserts that the SWPPP and its implementation violate the Permits as follows.

Condition S3.A.1 of the Permits require Samson and Duwamish Marine Center to develop and implement a SWPPP as specified in these permits. Condition S3.A.2 of the Permits require the SWPPP to specify BMPs necessary to provide AKART and ensure that discharges do not cause or contribute to violations of water quality standards. On information and belief, Samson and Duwamish Marine Center have violated these requirements of the Permits each and every day during the last five years and continues to violate them as it has failed to prepare and/or implement a SWPPP that includes AKART and BMPs necessary to comply with state water quality standards.

Condition S3.A of the Permits require Samson and Duwamish Marine Center to have and implement a SWPPP that is consistent with permit requirements, fully implemented as directed by permit conditions, and updated as necessary to maintain compliance with permit conditions. On information and belief, Samson and Duwamish Marine Center have violated these requirements of the Permits each and every day during the last five years and continues to violate them because its SWPPP is not consistent with permit requirements, is not fully implemented, and has not been updated as necessary.

The SWPPP fails to satisfy the requirements of Condition S3 of the Permits because it does not adequately describe BMPs. Condition S3.B.4 of the Permits requires that the SWPPP include a description of the BMPs that are necessary for the facility to eliminate or reduce the potential to contaminate stormwater. Condition S3.B.4 of the 2015 Permit requires

that the SWPPP detail how and where the selected BMPs will be implemented. Condition S3.A.3 of the Permits requires that the SWPPP include BMPs consistent with approved stormwater technical manuals or document how stormwater BMPs included in the SWPPP are demonstratively equivalent to the practices contained in the approved stormwater technical manuals, including the proper selection, implementation, and maintenance of all applicable and appropriate BMPs. Samson and Duwamish Marine Center's SWPPP does not comply with these requirements because it does not adequately describe and explain in detail the BMPs selected, does not include BMPs consistent with approved stormwater technical manuals, and does not include BMPs that are demonstratively equivalent to such BMPs with documentation of BMP adequacy.

Samson and Duwamish Marine Center's SWPPP fails to satisfy the requirements of Condition S3.B.2 of the Permits because it fails to include a facility assessment. The SWPPP fails to include an adequate facility assessment because it does not describe the industrial activities conducted at the site, the general layout of the facility including buildings and storage of raw materials, the flow of goods and materials through the facility, the regular business hours, and the seasonal variations in business hours or in industrial activities.

Samson and Duwamish Marine Center's SWPPP fails to satisfy the requirements of Condition S3.B.1 of the Permits because it does not include a site map that identifies significant features, the stormwater drainage and discharge structures, the stormwater drainage areas for each stormwater discharge point off-site, a unique identifying number for each discharge point, each sampling location with a unique identifying number, paved areas and buildings, areas of pollutant contact associated with specific industrial activities, conditionally approved non-stormwater discharges, surface water locations, areas of existing and potential soil erosion, vehicle maintenance areas, and lands and waters adjacent to the site that may be helpful in identifying discharge points or drainage routes.

Samson and Duwamish Marine Center's SWPPP fails to comply with Condition S3.B.2.b of the Permits because it does not include an inventory of industrial activities that identifies all areas associated with industrial activities that have been or may potentially be sources of pollutants. The SWPPP does not identify all areas associated with loading and unloading of dry bulk materials or liquids, outdoor storage of materials or products, outdoor manufacturing and processing, onsite dust or particulate generating processes, on-site waste treatment, storage, or disposal, vehicle and equipment fueling, maintenance, and/or cleaning, roofs or other surfaces exposed to air emissions from a manufacturing building or a process area, and roofs or other surfaces composed of materials that may be mobilized by stormwater as required by these permit conditions.

Samson and Duwamish Marine Center's SWPPP does not comply with Condition S3.B.2.c of the Permits because it does not include an adequate inventory of materials. The SWPPP does not include an inventory of materials that lists the types of materials handled at the site that potentially may be exposed to precipitation or runoff and that could result in stormwater pollution, a short narrative for each material describing the potential for the pollutants to be present in stormwater discharge that is updated when data becomes available to verify the presence or absence of the pollutants, a narrative description of any potential sources of pollutants from past activities, materials and spills that were previously handled,

treated, stored, or disposed of in a manner to allow ongoing exposure to stormwater as required. The SWPPP does not include the method and location of on-site storage or disposal of such materials and a list of significant spills and significant leaks of toxic or hazardous pollutants as these permit conditions require.

Samson and Duwamish Marine Center's SWPPP does not comply with Condition S3.B.3 of the Permits because it does not identify specific individuals by name or title whose responsibilities include SWPPP development, implementation, maintenance and modification.

Condition S3.B.4 of the Permits requires that permittees include in their SWPPPs and implement certain mandatory BMPs unless site conditions render the BMP unnecessary, infeasible, or an alternative and equally effective BMP are provided. Samson and Duwamish Marine Center are in violation of this requirement because it has failed to include in its SWPPP and implement the mandatory BMPs of the Permits.

Samson's SWPPP does not comply with Condition S3.B.4.b.i of the Permits because it does not include required operational source control BMPs in the following categories: good housekeeping (including definition of ongoing maintenance and cleanup of areas that may contribute pollutants to stormwater discharges, and a schedule/frequency for each housekeeping task); preventive maintenance (including BMPs to inspect and maintain stormwater drainage and treatment facilities, source controls, treatment systems, and plant equipment and systems, and the schedule/frequency for each task); spill prevention and emergency cleanup plan (including BMPs to prevent spills that can contaminate stormwater, for material handling procedures, storage requirements, cleanup equipment and procedures, and spill logs); employee training (including an overview of what is in the SWPPP, how employees make a difference in complying with the SWPPP, spill response procedures, good housekeeping, maintenance requirements, material management practices, how training will be conducted, the frequency/schedule of training, and a log of the dates on which specific employees received training); inspections and recordkeeping (including documentation of procedures to ensure compliance with permit requirements for inspections and recordkeeping, including identification of personnel who conduct inspections, provision of a tracking or follow-up procedure to ensure that a report is prepared and appropriate action taken in response to visual monitoring, definition of how Samson and Duwamish Marine Center will comply with signature and record retention requirements, certification of compliance with the SWPPP and Permit, and all inspection reports completed by Samson and Duwamish Marine Center).

Samson and Duwamish Marine Center's SWPPP does not comply with Condition S3.B.4.b.i.7 of the Permits because it does not include measures to identify and eliminate the discharge of process wastewater, domestic wastewater, noncontact cooling water, and other illicit discharges to stormwater sewers, or to surface waters and ground waters of the state.

Samson and Duwamish Marine Center's SWPPP does not comply with Condition S3.B.4.b.ii of the Permits because it does not include required structural source control BMPs to minimize the exposure of manufacturing, processing, and material storage areas to rain, snow, snowmelt, and runoff. Samson and Duwamish Marine Center's SWPPP does not

comply with Condition S3.B.4.b.iii of the Permits because it does not include treatment BMPs as required.

Samson and Duwamish Marine Center's SWPPP fails to comply with Condition S3.B.4.b.v of the Permits because it does not include BMPs to prevent the erosion of soils or other earthen materials and prevent off-site sedimentation and violations of water quality standards.

Samson and Duwamish Marine Center's SWPPP fails to satisfy the requirements of Condition S3.B.5 of the Permits because it fails to include a stormwater sampling plan as required. The SWPPP does not include a sampling plan that identifies points of discharge to surface waters, storm sewers, or discrete ground water infiltration locations, documents why each discharge point is not sampled, identifies each sampling point by its unique identifying number, identifies staff responsible for conducting stormwater sampling, specifies procedures for sampling collection and handling, specifies procedures for sending samples to the a laboratory, identifies parameters for analysis, holding times and preservatives, laboratory quantization levels, and analytical methods, and that specifies the procedure for submitting the results to Ecology.

IV. MONITORING AND REPORTING VIOLATIONS.

A. Failure to Collect Quarterly Samples.

Condition S4.B of the Permits require Samson and Duwamish Marine Center to collect a sample of stormwater discharge once during every calendar quarter. Conditions S3.B.5.b and S4.B.2.c of the Permits require Samson and Duwamish Marine Center to collect stormwater samples at each distinct point of discharge offsite except for substantially identical outfalls, in which case only one of the substantially identical outfalls must be sampled. Discharge points may include, but are not limited to drains, piers, docks, loading areas, and fueling areas where industrial activities occur. Conditions S3.B.5.b and S4.B.2.c set forth sample collection criteria, but require the collection of a sample even if the criteria cannot be met.

Samson and Duwamish Marine Center violated these requirements by failing to collect stormwater samples at any of the facility's discharge points during the following quarters:

- 1st Quarter 2010
- 2nd Quarter 2010
- 3rd Quarter 2010
- 4th Quarter 2010
- 1st Quarter 2011
- 2nd Quarter 2011
- 3rd Quarter 2011
- 4th Quarter 2011
- 1st Quarter 2012
- 2nd Quarter 2012
- 3rd Quarter 2012

4th Quarter 2012
1st Quarter 2013
2nd Quarter 2013
3rd Quarter 2013
4th Quarter 2013
1st Quarter 2014
2nd Quarter 2014
3rd Quarter 2014
4th Quarter 2014
1st Quarter 2015
2nd Quarter 2015
3rd Quarter 2015
4th Quarter 2015

These violations have occurred and continue to occur each and every quarter during the last five years that Samson and Duwamish Marine Center were and are required to sample its stormwater discharges, including the quarters in which it collected stormwater discharge samples from some, but not all, points of discharge. These violations will continue until Samson and Duwamish Marine Center commence monitoring all distinct points of discharge and taking representative samples.

B. Failure to Analyze Quarterly Samples.

Conditions S5.A.1 and S5.B.1 of the Permits requires Samson and Duwamish Marine Center to analyze stormwater samples collected quarterly for turbidity, pH, total copper, total zinc, oil sheen, total suspended solids, and diesel (NWTPHDx).

Samson and Duwamish Marine Center violated these conditions by failing to analyze stormwater samples from each distinct discharge point for any of the required parameters during the following quarters as further specified in table 1 above:

2nd Quarter 2010
4th Quarter 2011
3rd Quarter 2012
3rd Quarter 2013
3rd Quarter 2014
4th Quarter 2014
2nd Quarter 2015

C. Failure to Timely Submit Discharge Monitoring Reports.

Condition S9.A of the Permits require Samson and Duwamish Marine Center to use DMR forms provided or approved by Ecology to summarize, report and submit monitoring data to Ecology. For each monitoring period (calendar quarter) a DMR must be completed and submitted to Ecology not later than 45 days after the end of the monitoring period. Samson and Duwamish Marine Center have violated these conditions by failing to timely submit a DMR within the time prescribed for the following quarters:

2nd Quarter 2010
4th Quarter 2010 (Late)
3rd Quarter 2011 (Late)
4th Quarter 2011 (Late)
3rd Quarter 2013
2nd Quarter 2014 (Late)
3rd Quarter 2014
4th Quarter 2014

D. Failure to Comply with Visual Monitoring Requirements.

Condition S7.A of the Permits requires that monthly visual inspections be conducted at the facility by qualified personnel. Each inspection is to include observations made at stormwater sampling locations and areas where stormwater associated with industrial activity is discharged, observations for the presence of floating materials, visible oil sheen, discoloration, turbidity, odor, etc. in the stormwater discharges, observations for the presence of illicit discharges, a verification that the descriptions of potential pollutant sources required by the permit are accurate, a verification that the site map in the SWPPP reflects current conditions, and an assessment of all BMPs that have been implemented (noting the effectiveness of the BMPs inspected, the locations of BMPs that need maintenance, the reason maintenance is needed and a schedule for maintenance, and locations where additional or different BMPs are needed).

Condition S7.C of the Permits requires that Samson and Duwamish Marine Center record the results of each inspection in an inspection report or checklist that is maintained on-site and that documents the observations, verifications, and assessments required. The report/checklist must include the time and date of the inspection, the locations inspected, a statement that, in the judgment of the person conducting the inspection and the responsible corporate officer, the facility is either in compliance or out of compliance with the SWPPP and the Permits, a summary report and schedule of implementation of the remedial actions that Samson and Duwamish Marine Center plan to take if the site inspection indicates that the facility is out of compliance, the name, title, signature and certification of the person conducting the facility inspection, and a certification and signature of the responsible corporate officer or a duly authorized representative.

Samson and Duwamish Marine Center are in violation of these requirements of Condition S7 of the Permits because, during the last five years, it has failed to conduct each of the requisite visual monitoring and inspections, failed to prepare and maintain the requisite inspection reports or checklists for each visual monitoring and inspection, and failed to make the requisite certifications and summaries for each visual monitoring and inspection.

V. CORRECTIVE ACTION VIOLATIONS.

A. Violations of the Level One Requirements of the Permits.

Condition S8.B of the Permits requires Samson and Duwamish Marine Center to take specified actions, called a "Level One Corrective Action," each time quarterly stormwater sample results exceed a benchmark value or are outside the benchmark range for pH. Condition S8.A of the 2015 Permit requires that Samson and Duwamish Marine Center implement any Level One Corrective Action required by the 2010 Permit.

As described by Condition S8.B of the Permits, a Level One Corrective Action requires Samson and Duwamish Marine Center: (1) review the SWPPP for the facility and ensure that it fully complies with Condition S3 of the 2010 Permit and contains the correct BMPs from the applicable Stormwater Management Manual; (2) make appropriate revisions to the SWPPP to include additional operational source control BMPs with the goal of achieving the applicable benchmark values in future discharges and sign and certify the revised SWPPP in accordance with Condition S3.A.6 of the 2010 Permit; and (3) summarize the Level One Corrective Action in the Annual Report required under Condition S9.B of the Permits. Condition S8.B.4 of the Permits requires that Samson and Duwamish Marine Center implement the revised SWPPP as soon as possible, and no later than the DMR due date for the quarter the benchmark was exceeded.

Condition S5.A and Tables 2 and 3 of the Permits establish the following benchmarks: turbidity 25 NTU; pH 5 – 9 SU; total copper 14 µg/L; total zinc 117 µg/L; and petroleum hydrocarbons (diesel fraction NWTPHDx) ≤ 10 mg/L.

Samson and Duwamish Marine Center have violated the requirements of the Permits described above by failing to conduct a Level One Corrective Action in accordance with permit conditions, including the required review, revision and certification of the SWPPP, the required implementation of additional BMPs, and the required summarization in the annual report each time since January 1, 2010, that quarterly stormwater sampling results were greater than a benchmark or outside the benchmark range for pH, including the benchmark excursions listed in Tables 1 and 2 in Section I.A. of this letter.

These benchmark excursions are based upon information currently available to Soundkeeper from Ecology's publicly available records. Soundkeeper provides notice of its intent to sue Samson and Duwamish Marine Center for failing to comply with all of the Level One Corrective Action requirements described above by failing to conduct a Level One Corrective Action in accordance with permit conditions, including the required review, revision and certification of the SWPPP, the required implementation of additional BMPs, and the required summarization in the annual report each time during the last five years its quarterly stormwater sampling results were greater than a benchmark or outside the benchmark range for pH, including the benchmark excursions listed in Table 1 above.

B. Violations of the Level Two Requirements of the Permits.

Condition S8.C of the Permits requires Samson and Duwamish Marine Center take specified actions, called a "Level Two Corrective Action," each time quarterly stormwater sample results exceed an applicable benchmark value or are outside the benchmark range for pH for any two quarters during a calendar year. Condition S8.A of the 2015 Permit requires that Samson and Duwamish Marine Center implement any Level Two Corrective Action required by the 2010 Permit.

As described by Condition S8.C of the Permits, a Level Two Corrective Action requires Samson and Duwamish Marine Center: (1) review the SWPPP for the facility and ensure that it fully complies with Condition S3 of the 2010 Permit; (2) make appropriate revisions to the SWPPP to include additional structural source control BMPs with the goal of achieving the applicable benchmark value(s) in future discharges and sign and certify the revised SWPPP in accordance with Condition S3 of the Permits; and (3) summarize the Level Two Corrective Action (planned or taken) in the Annual Report required under Condition S9.B of the Permits. Condition S8.C.4 of the Permits requires that Samson and Duwamish Marine Center implement the revised SWPPP according to Condition S3 of the Permits and the applicable stormwater management manual as soon as possible, and no later than August 31st of the following year.

The Permits establish the benchmarks applicable to Samson and Duwamish Marine Center described in Section IV.A of this notice of intent to sue letter.

Samson and Duwamish Marine Center have violated the requirements of the Permits described above by failing to conduct a Level Two Corrective Action in accordance with permit conditions, including the required review, revision and certification of the SWPPP, the required implementation of additional BMPs to ensure that all points of discharge from the facility meet benchmarks (not just the sampled point of discharge), including additional structural source control BMPs, and the required summarization in the annual report each time during the last five years its quarterly stormwater sampling results were greater than a benchmark or outside the benchmark range for pH for any two quarters during a calendar year. As indicated in Table 1 in Section I.A of this letter, these violations include, but are not limited to, Samson and Duwamish Marine Center's failure to fulfill these obligations for turbidity, zinc, and copper triggered by its stormwater sampling during the calendar year of 2010 and every year since.

The benchmark excursions identified in Table 1 of this notice of intent to sue letter are based upon information currently available to Soundkeeper from Ecology's publicly available records. Soundkeeper provides notice of its intent to sue Samson and Duwamish Marine Center for failing to comply with all of the Level Two Corrective Action requirements each and every time quarterly stormwater sample results exceeded an applicable benchmark value or were outside the benchmark range for pH for any two quarters during a calendar year, including any such excursions that are not reflected in Table 1 above, during the last five years.

C. Violations of the Level Three Requirements of the Permits.

Condition S8.D of the Permits requires Samson and Duwamish Marine Center take specified actions, called a "Level Three Corrective Action," each time quarterly stormwater sample results exceed an applicable benchmark value or are outside the benchmark range for pH for any three quarters during a calendar year. Condition S8.A of the 2015 Permit requires that Samson and Duwamish Marine Center implement any Level Three Corrective Action required by the 2010 Permit.

As described by Condition S8.D of the 2010 Permit, a Level Three Corrective Action requires that Samson and Duwamish Marine Center: (1) review the SWPPP for the facility and ensure that it fully complies with Condition S3 of the 2010 Permit; (2) make appropriate revisions to the SWPPP to include additional treatment BMPs with the goal of achieving the applicable benchmark value(s) in future discharges and additional operational and/or structural source control BMPs if necessary for proper function and maintenance of treatment BMPs, and sign and certify the revised SWPPP in accordance with Condition S3.A.6 of the 2010 Permit; and (3) summarize the Level Three Corrective Action (planned or taken) in the Annual Report required under Condition S9.B of the 2010 Permit, including information on how monitoring, assessment, or evaluation information was (or will be) used to determine whether existing treatment BMPs will be modified/enhanced, or if new/additional treatment BMPs will be installed. Condition S8.D.2.b of the 2010 Permit requires that a licensed professional engineer, geologist, hydrogeologist, or certified professional in storm water quality must design and stamp the portion of the SWPPP that addresses stormwater treatment structures or processes.

Condition S8.D.3 of the 2010 Permit requires that, before installing BMPs that require the site-specific design or sizing of structures, equipment, or processes to collect, convey, treat, reclaim, or dispose of industrial stormwater, Samson and Duwamish Marine Center submit an engineering report, plans, and specifications, and an operations and maintenance manual to Ecology for review in accordance with chapter 173-204 of the Washington Administrative Code. The engineering report must be submitted no later than the May 15 prior to the Level Three Corrective Action Deadline. The plans and specifications and the operations and maintenance manual must be submitted to Ecology at least 30 days before construction/installation.

Condition S8.D.5 of the 2010 Permit requires that Samson and Duwamish Marine Center fully implement the revised SWPPP according to condition S3 of the 2010 Permit and the applicable stormwater management manual as soon as possible, and no later than September 30th of the following year.

The Permits establishes the benchmarks applicable to Samson and Duwamish Marine Center described in Section IV.A of this notice of intent to sue letter.

Samson and Duwamish Marine Center have violated the requirements of the Permits described above by failing to conduct a Level Three Corrective Action in accordance with permit conditions, including the required review, revision and certification of the SWPPP, including the requirement to have a specified professional design and stamp the portion of the

SWPPP pertaining to treatment, the required implementation of additional BMPs, including additional treatment BMPs to ensure that all points of discharge from the facility meet benchmarks (not just the sampled point of discharge), the required submission of an engineering report, plans, specifications, and an operations and maintenance plan, and the required summarization in the annual report each time during the last five years its quarterly stormwater sampling results were greater than a benchmark or outside the benchmark range for pH for any three quarters during a calendar year. As indicated in Table 1 in Section I.A of this letter, these violations include, but are not limited to, Samson and Duwamish Marine Center's failure to fulfill these obligations for turbidity, zinc, and copper triggered by its stormwater sampling during the calendar year of 2011.

The benchmark excursions identified in Table 1 of this notice of intent to sue letter are based upon information currently available to Soundkeeper from Ecology's publicly available records. Soundkeeper provides notice of its intent to sue Samson and Duwamish Marine Center for failing to comply with all of the Level Three Corrective Action requirements each and every time quarterly stormwater sample results exceeded an applicable benchmark value or were outside the benchmark range for pH for any three quarters during a calendar year, including any such excursions that are not reflected in Table 1 above, during the last five years.

VI. VIOLATIONS OF THE ANNUAL REPORT REQUIREMENTS.

Condition S9.B of the Permits requires Samson and Duwamish Marine Center to submit an accurate and complete annual report to Ecology no later than May 15 of each year. The annual report must include corrective action documentation as required in Condition S8.B through S8.D. If a corrective action is not yet completed at the time of submission of the annual report, Samson and Duwamish Marine Center must describe the status of any outstanding corrective action. Specific information to be included in the annual report is identification of the conditions triggering the need for corrective action, description of the problem and identification of dates discovered, summary of any Level 1, 2, or 3 corrective actions completed during the previous calendar year, including the dates corrective actions completed, and description of the status of any Level 2 or 3 corrective actions triggered during the previous calendar year, including identification of the date Samson and Duwamish Marine Center expect to complete corrective actions. Samson and Duwamish Marine Center have violated this condition by failing to include all of the required information in the annual report it submitted for the past five years.

The annual report submitted by Samson for 2010 (submitted May 13, 2011) does not include the required information. The report describes problems and corrective actions from 2009. The annual report provides inadequate and incomplete information for the Level Three Corrective Action triggered (or ongoing) for turbidity, zinc and copper in 2010, including the description of the conditions triggering the corrective action, the BMPs (including treatment) to be implemented as part of the Level Three Corrective Action, and the implementation schedule. The annual report does not include information on how monitoring, assessment, or evaluation information was (or will be) used to determine whether existing treatment BMPs will be modified/enhanced, or if new/additional treatment BMPs will be installed as required by Condition S8.D.4.

The annual report submitted by Samson for 2011 (submitted on May 11, 2012) does not include the required information. For example, the report does not describe all of the stormwater problems identified. The report does not describe the completion or status of the Level Three corrective actions triggered for exceeding benchmarks for turbidity, zinc and copper that was to be completed in 2011, or the information required by Condition S8.D.4 of the 2010 Permit for that Level Three Corrective Action. Samson's annual 2011 report provides inadequate and incomplete information on their corrective actions for three quarters of violations of turbidity, zinc and copper benchmarks in 2011. The annual report also does not include information on how monitoring, assessment, or evaluation information was (or will be) used to determine whether existing treatment BMPs will be modified/enhanced, or if new/additional treatment BMPs will be installed as required by Condition S8.D.4.

The annual report submitted by Samson for 2012 (submitted late on May 10, 2013) does not include the required information. The report does not describe all of the stormwater problems identified. The report does not describe the completion or status of the Level Two and Level Three corrective actions triggered in prior years that was to be completed in 2011 and now states corrective actions to be completed in 2013. The report also fails to include the information required by Condition S8.D.4 of the 2010 Permit for that Level Three Corrective Action.

Samson and Duwamish Marine Center failed to submit an annual report for 2013.

Samson and Duwamish Marine Center failed to submit an annual report for 2014.

VII. VIOLATIONS OF THE RECORDKEEPING REQUIREMENTS.

A. Failure to Record Information.

Condition S4.B.3 of the Permits requires Samson and Duwamish Marine Center record and retain specified information for each stormwater sample taken, including the sample date and time, a notation describing if Samson and Duwamish Marine Center collected the sample within the first 30 minutes of stormwater discharge event, an explanation of why Samson and Duwamish Marine Center could not collect a sample within the first 30 minutes of a stormwater discharge event, the sample location, method of sampling and of preservation, and the individual performing the sampling. Upon information and belief, Samson and Duwamish Marine Center are in violation of these conditions as it has not recorded each of these specified items for each sample taken during the last five years.

B. Failure to Retain Records.

Condition S9.C of the Permits requires Samson and Duwamish Marine Center to retain for a minimum of five years a copy of the Permits, a copy of Samson and Duwamish Marine Center's coverage letter, records of all sampling information, inspection reports including required documentation, any other documentation of compliance with permit requirements, all equipment calibration records, all BMP maintenance records, all original recordings for continuous sampling instrumentation, copies of all laboratory results, copies of

all required reports, and records of all data used to complete the application for the Permits. Upon information and belief, Samson and Duwamish Marine Center are in violation of these conditions for failing to retain records of such information, reports, and other documentation during the last five years.

VIII. PROHIBITED DISCHARGES.

Condition S5.E. of the Permits prohibits illicit discharges and the discharge of process wastewater. Appendix 2 of the Permits defines "illicit discharges" to include "any *discharge* that is not composed entirely of *stormwater* except (1) discharges authorized pursuant to a separate NPDES permit, or (2) conditionally authorized non-stormwater discharge identified in Condition S5.D." Appendix 2 of the Permits defines stormwater as "that portion of precipitation that does not naturally percolate into the ground or evaporate, but flows via overland flow, interflow, pipes, and other features of a stormwater drainage system into a defined surface water body, or a constructed infiltration facility." In contrast to stormwater, Appendix 2 of the Permits defines leachate as "water or other liquid that has percolated through raw material, product, or waste and contains substances in solution or suspension as a result of the contact with these materials," and process wastewater as "any non-stormwater which, during manufacturing or processing, comes into direct contact or results from the production or use of any raw material, intermediate product, finished product, byproduct, or waste product."

On information and belief, Samson and Duwamish Marine Center have violated and continues to violate these conditions due to its non-stormwater discharges from the Facility. These non-stormwater discharges from the Facility may include, but are not limited to, discharges of wash water from the wheel wash and/or other equipment washing areas.

IX. REQUEST FOR SWPPP.

Pursuant to Condition S9.F of the 2015 Permit, Soundkeeper hereby requests that Duwamish Marine Center provide a copy of, or access to, its most recent SWPPP complete with all incorporated plans, monitoring reports, checklists, and training and inspection logs within 14 days. The copy of the SWPPP and any other communications about this request should be directed to the undersigned at the letterhead address.

Should Duwamish Marine Center fail to provide the requested complete copy of, or access to, its SWPPP as required by Condition S9.F of the 2015 Permit, it will be in violation of that condition, which violation shall also be subject to this Notice of Intent to Sue and any ensuing lawsuit.

X. CONCLUSION.

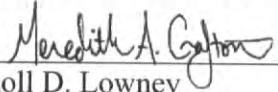
The above-described violations reflect those indicated by the information currently available to Soundkeeper. These violations are ongoing. Soundkeeper intends to sue for all violations, including those yet to be uncovered and those committed after the date of this Notice of Intent to Sue.

Soundkeeper believes that this NOTICE OF INTENT TO SUE sufficiently states grounds for filing suit. We intend, at the close of the 60-day notice period, or shortly thereafter, to file a citizen suit against Jacqueline H. and James D. Gilmur, the Gilmur Living Trust, and Duwamish Marine Center under Section 505(a) of the Clean Water Act for violations. During the 60-day notice period, we would be willing to discuss effective remedies for the violations addressed in this letter and settlement terms, however; we do not intend to delay the filing of a complaint or the amending of the complaint in W.D. Wash. Case No. C16-445RSL if discussions are continuing when the notice period ends. To initiate those discussions you may contact us by phone or mail (see letterhead), or by e-mail at knoll@igc.org or meredithc@igc.org.

Under Section 309(d) of the CWA, 33 U.S.C. § 1319(d), each of the above-described violations subjects the violator to a penalty of up to \$37,500 per day for each violation. In addition to civil penalties, Soundkeeper will seek injunctive relief to prevent further violations under Sections 505(a) and (d) of the CWA, 33 U.S.C. § 1365(a) and (d), and such other relief as is permitted by law. Also, Section 505(d) of the CWA, 33 USC § 1365(d), permits prevailing parties to recover costs, including attorney's fees.

Very truly yours,

SMITH & LOWNEY, PLLC

By: 
Knoll D. Lowney
Meredith A. Crafton

cc: Gina McCarthy, Administrator, U.S. EPA
Dennis McLerran, Region 10 Administrator, U.S. EPA
Maia Bellon, Director, Washington Department of Ecology
Clint Harris, 16 S Michigan St, Seattle, WA 98108
Lori Terry Gregory, Attorney for Gilmur Hale Family Trust (via email)
Mark M. Myers, Attorney for Samson Tug & Barge (via email)

Date Precip. (in) Events

2011	Precip. (in)	Events
Jan	sum	
1	0	
2	0	
3	0	
4	0.03	Rain
5	0.11	Rain
6	0.28	Rain
7	0.52	Rain
8	0.01	
9	0.03	Rain
10	0	
11	0.12	Fog, Snow
12	0.74	Rain, Snow
13	0.66	Rain
14	0.08	Rain
15	0.42	Rain
16	0.11	Rain
17	0	Rain
18	0.08	Rain
19	0	
20	0.05	Rain
21	0.68	Rain
22	0	
23	0.04	Rain
24	0.26	Rain
25	0	
26	0	
27	0	Fog
28	0.07	Rain
29	0.26	Rain
30	0	
31	0	
2011	Precip. (in)	Events
Feb	sum	
1	0	Rain
2	0	
3	0.02	Rain

Date Precip. (in) Events

4	0.06	Rain
5	0.09	Rain
6	0.11	Rain
7	0.06	Rain
8	0.01	
9	0	
10	0	
11	0	
12	0.45	Rain
13	0.28	Rain
14	0.84	Rain
15	0.15	Rain
16	0.04	Rain
17	0.02	Rain
18	0	
19	0	
20	0	
21	0.06	
22	0.2	Rain, Snow
23	0.08	Fog, Snow
24	0.01	Snow
25	0	
26	0	Snow
27	0.51	Rain
28	0.22	Rain
2011	Precip. (in)	Events
Mar	sum	
1	0.22	Rain
2	0.14	Rain
3	0.35	Rain
4	0.12	Rain
5	0	Rain
6	0	
7	0	Rain
8	0.1	Rain
9	1.47	Rain
10	0.41	Rain
11	0	
12	0.47	Rain

Date Precip. (in) Events

13	0.65	Rain
14	0.3	Rain
15	0.43	Rain, Thunderstorm
16	0.22	Rain
17	0	
18	0.18	Rain
19	0	
20	0.01	Rain
21	0.01	Rain
22	0	
23	0	
24	0.04	Rain
25	0.11	Rain
26	0.08	Fog, Rain
27	0.19	Rain
28	0.11	Rain
29	0.13	Rain
30	0.09	Rain
31	0.11	Rain
2011	Precip. (in)	Events
Apr	sum	
1	0.85	Rain
2	0.25	Rain
3	0.07	Rain
4	0.12	Rain
5	0.15	Rain
6	0.1	Rain
7	0.09	Rain
8	0	
9	0	
10	0.09	Rain
11	0.04	Rain
12	0	
13	0.07	Rain
14	0.39	Rain
15	0.02	Rain
16	0.15	Rain

Date	Precip. (in)	Events
17	0	
18	0.02	
19	0	
20	0	
21	0.04	Rain
22	0	
23	0	
24	0.05	Rain
25	0.45	Rain
26	0.03	Rain
27	0.44	Rain
28	0.04	Rain
29	0.04	Rain
30	0.17	Rain
2011	Precip. (in)	Events
May	sum	
1	0	
2	0.22	Rain
3	0	Rain
4	0	
5	0.04	Rain
6	0.12	Rain
7	0.04	Rain
8	0.17	Rain
9	0	
10	0	
11	0.51	Rain
12	0	
13	0	
14	0.52	Rain
15	0.69	Rain
16	0	
17	0	Fog
18	0	
19	0	
20	0	
21	0.1	Rain
22	0	Rain
23	0	
24	0	

Date	Precip. (in)	Events
25	0.24	Rain
26	0.04	Rain
27	0.09	Rain
28	0	Rain
29	0	
30	0	
31	0.06	Rain
2011	Precip. (in)	Events
Jun	sum	
1	0.24	Rain
2	0.25	Rain
3	0	
4	0	
5	0	
6	0	
7	0.1	Rain
8	0	Rain
9	0	
10	0	
11	0	
12	0	Rain
13	0.03	Rain
14	0	
15	0.11	Rain
16	0	
17	0	
18	0.3	Rain
19	0.03	Rain
20	0	Rain
21	0	
22	0	
23	0.01	Rain
24	0.12	Rain
25	0	
26	0	
27	0	Rain
28	0	
29	0	
30	0	

Date	Precip. (in)	Events
2011	Precip. (in)	Events
Jul	sum	
1	0	
2	0	
3	0	Rain
4	0	
5	0	
6	0	
7	0.01	Rain
8	0	
9	0	
10	0	
11	0	Rain
12	0.09	Rain
13	0.01	
14	0	Rain
15	0.04	Rain
16	0.33	Rain
17	0.06	Rain
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0.27	Rain
26	0	
27	0	Rain
28	0	
29	0	
30	0	
31	0	
2011	Precip. (in)	Events
Aug	sum	
1	0	
2	0	
3	0	
4	0	

Date	Precip. (in)	Events
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	Rain
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0.08	Rain
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	Rain
31	0	
2011	Precip. (in)	Events
Sep	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	

Date	Precip. (in)	Events
12	0	
13	0	
14	0	
15	0	
16	0	
17	0.21	Rain
18	0.13	Rain
19	0.06	Rain
20	0	
21	0	
22	0	
23	0	
24	0	
25	0.22	Rain
26	0.32	Rain
27	0.04	Rain
28	0.01	
29	0	
30	0.02	
2011	Precip. (in)	Events
Oct	sum	
1	0	
2	0.14	Rain
3	0.09	Rain
4	0.02	Rain
5	0.1	Rain
6	0.19	Rain
7	0.05	Rain
8	0.01	Rain
9	0.06	Rain
10	0.18	Rain
11	0.57	Rain
12	0.01	Rain
13	0	
14	0.01	
15	0	
16	0	
17	0	
18	0	

Date	Precip. (in)	Events
19	0	Rain
20	0	
21	0.03	Rain
22	0.28	Rain
23	0	
24	0.02	Rain
25	0	Fog
26	0.01	Rain
27	0	Fog
28	0.38	Rain
29	0	
30	0.14	Rain
31	0	
2011	Precip. (in)	Events
Nov	sum	
1	0	
2	0.42	Fog, Rain
3	0	
4	0.06	Rain
5	0	
6	0	Fog
7	0.01	Rain
8	0	
9	0	Rain
10	0	
11	0.3	Rain
12	0.15	Rain
13	0.09	Rain
14	0	
15	0	
16	0.38	Rain
17	0.1	Rain
18	0.01	Rain
19	0	
20	0	
21	0.42	Rain
22	1.58	Rain
23	1	Rain
24	0.35	Rain

Date	Precip. (in)	Events
25	0	
26	0.03	Rain
27	0.33	Rain
28	0	Rain
29	0.05	Rain
30	0	
2011	Precip. (in)	Events
Dec	sum	
1	0	Fog
2	0	Rain
3	0	
4	0	
5	0	Fog
6	0	Fog
7	0	
8	0	
9	0	
10	0.01	Rain
11	0.05	Rain
12	0	Fog
13	0	Fog
14	0.01	Rain
15	0.03	Rain
16	0	
17	0	Fog
18	0.08	Rain
19	0	Fog
20	0	
21	0	Fog
22	0	Fog
23	0.01	Rain
24	0.01	Rain
25	0.04	Rain
26	0.03	Rain
27	0.03	Rain
28	0.47	Rain
29	0.21	Rain
30	0.02	Rain
31	0	

Date	Precip. (in)	Events
2012	Precip. (in)	Events
Jan	sum	
1	0	
2	0.48	Rain
3	0.03	Rain
4	0.65	Rain
5	0.08	Rain
6	0.04	Rain
7	0	Rain
8	0	
9	0.17	Rain
10	0.06	Rain
11	0	
12	0	
13	0	
14	0.13	Rain
15	0.23	Fog, Snow
16	0.07	Rain, Snow
17	0.09	Rain
18	0.44	Fog, Rain, Snow
19	0.32	Rain, Snow
20	0.39	Rain
21	0.06	Rain
22	0.29	Rain
23	0	
24	0.24	Rain
25	0.4	Rain
26	0.31	Rain
27	0	
28	0	
29	0.67	Rain
30	0.11	Rain
31	0.04	Rain
2012	Precip. (in)	Events
Feb	sum	
1	0.45	Rain
2	0	

Date	Precip. (in)	Events
3	0	
4	0	
5	0	
6	0	
7	0	Rain
8	0.1	Rain
9	0.11	Rain
10	0.09	Rain
11	0	
12	0.04	Rain
13	0.44	Rain
14	0.04	Rain
15	0	
16	0.04	Rain
17	0.4	Rain
18	0.18	Rain
19	0	
20	0	Rain
21	0	Rain
22	0.22	Rain
23	0	
24	0.49	Rain
25	0.01	
26	0	
27	0	
28	0.18	Rain, Snow
29	0.08	Rain, Snow
2012	Precip. (in)	Events
Mar	sum	
1	0	
2	0.04	Rain
3	0	
4	0	
5	0.36	Rain
6	0.05	Snow
7	0	
8	0	
9	0.17	Rain

Date	Precip. (in)	Events
10	0.46	Rain
11	0.31	Rain
12	0.66	Rain
13	0.23	Rain, Snow
14	0.44	Rain
15	1.07	Rain
16	0.19	Rain
17	0.44	Rain, Snow
18	0.08	Rain
19	0.03	Rain
20	0.12	Rain
21	0	Rain
22	0.16	Rain
23	0	
24	0	
25	0	
26	0	
27	0.21	Rain
28	0.15	Rain
29	1.15	Rain
30	0.08	Rain
31	0	Rain
2012	Precip. (in)	Events
Apr	sum	
1	0	Rain
2	0	
3	0	Rain
4	0	
5	0	Rain
6	0	
7	0	
8	0	
9	0	
10	0	Rain
11	0.08	Rain
12	0	

Date	Precip. (in)	Events
13	0	
14	0	
15	0	
16	0.24	Rain
17	0.07	Rain
18	0.09	Rain
19	0.28	Rain
20	0.26	Rain
21	0	
22	0	
23	0	
24	0.03	Rain
25	0.41	Rain
26	0.16	Rain
27	0.01	Rain
28	0	Rain
29	0.08	Rain
30	0.26	Rain
2012	Precip. (in)	Events
May	sum	
1	0.05	Rain
2	0	
3	0.78	Rain
4	0.32	Rain
5	0	
6	0	
7	0	
8	0	
9	0.01	Rain
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0.47	Rain
18	0	
19	0	
20	0.16	Rain

Date	Precip. (in)	Events
21	0.41	Rain
22	0.12	Rain
23	0.02	Rain
24	0.01	Rain
25	0.05	
26	0	
27	0	
28	0	
29	0	
30	0.02	Rain
31	0.15	Rain
2012	Precip. (in)	Events
Jun	sum	
1	0.1	Rain
2	0.02	Rain
3	0	
4	0.03	Rain
5	0.49	Rain
6	0	
7	0.54	Rain
8	0.05	Rain, Thunderstorm
9	0.02	
10	0	
11	0	
12	0.03	Rain
13	0	
14	0	
15	0	
16	0	Rain
17	0	
18	0.21	Rain
19	0.03	Rain
20	0	
21	0	
22	0.31	Rain
23	0.6	Rain
24	0.01	
25	0	Rain
26	0.01	Rain

Date	Precip. (in)	Events
27	0	
28	0	Rain
29	0	Rain
30	0	Rain
2012	Precip. (in)	Events
Jul	sum	
1	0	Rain
2	0	Rain
3	0	Rain
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	Thunderstorm
14	0	
15	0	
16	0	
17	0	Rain
18	0	
19	0	
20	0.61	Rain, Thunderstorm
21	0	
22	0	Rain
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	
2012	Precip. (in)	Events

Date	Precip. (in)	Events
Aug	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	
2012	Precip. (in)	Events
Sep	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	

Date	Precip. (in)	Events
7	0	
8	0	
9	0	
10	0.02	Rain
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	Fog
21	0	
22	0.02	Rain
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	Rain
30	0	
2012	Precip. (in)	Events
Oct	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0.09	Rain
13	0.09	Rain
14	0.52	Rain

Date	Precip. (in)	Events
15	0.22	Rain
16	0	
17	0	
18	0.64	Rain
19	0.1	Rain
20	0.18	Rain, Thunderstorm
21	0.14	Rain
22	0.26	Rain
23	0	Rain
24	0.19	Rain
25	0	
26	0.06	Rain
27	0.75	Rain
28	0.26	Rain
29	0.57	Rain
30	1.2	Rain
31	0.64	Rain
2012	Precip. (in)	Events
Nov	sum	
1	0.34	Rain
2	0.19	Rain
3	0.02	Rain
4	0.17	Rain
5	0.05	Rain
6	0.01	
7	0	
8	0	
9	0	
10	0	
11	0.55	Rain
12	0.13	Rain
13	0.19	Rain
14	0	
15	0	Fog
16	0.25	Fog, Rain
17	0.2	Rain
18	0.63	Rain
19	2.49	Rain

Date	Precip. (in)	Events
20	0.22	Rain
21	0.52	Rain
22	0.02	Rain
23	0.95	Rain
24	0	Rain
25	0	Fog
26	0	
27	0	
28	0.12	Rain
29	0.11	Rain
30	1.51	Rain
2012	Precip. (in)	Events
Dec	sum	
1	0.28	Rain
2	1	Rain
3	0.41	Rain
4	0.46	Rain
5	0.02	Rain
6	0.07	Rain
7	0.14	Rain
8	0	
9	0.06	Rain
10	0	
11	0.1	Rain
12	0.28	Rain
13	0.08	Rain
14	0.25	Rain
15	0.24	Rain
16	0.92	Rain
17	0.11	Rain
18	0.05	Rain, Snow
19	0.99	Rain, Snow
20	0.64	Rain
21	0.07	Fog, Rain
22	0.12	Rain
23	0.39	Rain
24	0.08	Rain
25	0.41	Rain
26	0.25	Rain
27	0.27	Rain

Date	Precip. (in)	Events
28	0	Rain
29	0.06	Rain
30	0	Fog
31	0	
2013	Precip. (in)	Events
Jan	sum	
1	0	
2	0	
3	0.18	Rain
4	0.07	Rain
5	0.1	Rain
6	0.03	Rain
7	0.02	Rain
8	0.53	Rain
9	1.15	Rain
10	0	Fog, Rain
11	0	Fog
12	0	
13	0	
14	0	
15	0	
16	0	Fog
17	0	Fog
18	0	Fog
19	0	Fog
20	0	Fog
21	0	Fog
22	0	Fog
23	0.21	Rain
24	0.16	Rain
25	0.09	Rain
26	0.16	Rain
27	0.01	Rain
28	0.21	Rain
29	0.29	Rain
30	0.06	Rain

Date	Precip. (in)	Events
31	0.08	Rain
2013	Precip. (in)	Events
Feb	sum	
1	0	
2	0	Fog
3	0.08	Rain
4	0	
5	0.18	Rain
6	0.08	Rain
7	0.09	Rain
8	0	
9	0.01	Rain
10	0	Fog
11	0.01	Rain
12	0	
13	0	
14	0.03	Rain
15	0	
16	0	Rain
17	0	
18	0	Rain
19	0	
20	0.07	Rain
21	0.01	Rain
22	0.34	Rain
23	0	
24	0.02	Rain
25	0.14	Rain
26	0.01	Rain
27	0.32	Rain
28	0.25	Rain
2013	Precip. (in)	Events
Mar	sum	
1	0.04	Rain
2	0.21	Rain
3	0	
4	0	

Date	Precip. (in)	Events
5	0	
6	0.61	Rain
7	0.26	Rain
8	0	Fog
9	0	Fog
10	0.01	Rain
11	0.03	Rain
12	0.01	Rain
13	0.15	Rain
14	0.05	Rain
15	0	
16	0.04	Rain
17	0	
18	0	Rain
19	0.37	Rain
20	0.72	Rain
21	0.1	Rain
22	0.01	Rain
23	0	
24	0	
25	0	
26	0	
27	0.01	Rain
28	0.06	Rain
29	0.01	Rain
30	0	
31	0	
2013	Precip. (in)	Events
Apr	sum	
1	0	
2	0	
3	0	
4	0.41	Rain
5	0.44	Rain
6	0.44	Rain
7	0.96	Rain
8	0.04	Rain
9	0	
10	0.15	Rain

Date	Precip. (in)	Events
11	0.09	Rain
12	0.18	Rain
13	0.31	Rain
14	0.06	Rain
15	0	
16	0.07	Rain
17	0	
18	0.18	Rain
19	0.67	Rain
20	0.01	Rain
21	0.03	Rain
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	Rain
28	0.08	Rain
29	0.15	Rain
30	0	
2013	Precip. (in)	Events
May	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0.08	Rain
13	0.11	Rain, Thunderstorm
14	0	
15	0.03	Rain
16	0	Rain
17	0.02	Rain
18	0	

Date Precip. (in) Events

19	0	
20	0	
21	0.39	Rain
22	0.21	Rain
23	0.08	Rain
24	0.02	Rain
25	0	Rain
26	0.08	Rain
27	0.2	Rain
28	0.01	Rain
29	0.17	Rain
30	0	
31	0	
2013	Precip. (in)	Events
Jun	sum	
1	0	
2	0	Rain
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	Rain
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	Rain
20	0	Rain
21	0.01	Rain
22	0	
23	0	Rain

Date Precip. (in) Events

24	0.01	Rain
25	0.01	Rain, Thunderstorm
26	0.56	Rain
27	0.13	Rain
28	0	
29	0	
30	0	
2013	Precip. (in)	Events
Jul	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	Rain
17	0	Rain
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	

Date Precip. (in) Events

28	0	
29	0	
30	0	
31	0	Thunderstorm
2013	Precip. (in)	Events
Aug	sum	
1	0	
2	0	Rain
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	Rain, Thunderstorm
11	0	
12	0	
13	0	
14	0	Rain
15	0	Rain
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	Rain
27	0	Rain
28	0	Rain
29	0.38	Rain, Thunderstorm
30	0	
31	0	
2013	Precip. (in)	Events

Date	Precip. (in)	Events
Sep	sum	
1	0	
2	0	
3	0.12	Rain
4	0	Rain
5	0.46	Rain, Thunderstorm
6	1.08	Rain
7	0	Rain
8	0.01	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0.21	Rain, Thunderstorm
16	0	
17	0	
18	0	
19	0	
20	0.15	Rain
21	0.01	
22	0.37	Rain
23	0.08	Rain
24	0.01	
25	0.04	Rain
26	0.01	Fog
27	0.05	Rain
28	1.21	Rain
29	0.62	Rain
30	0.63	Rain
2013	Precip. (in)	Events
Oct	sum	
1	0.08	Rain
2	0.19	Rain
3	0.02	Rain
4	0.01	Fog
5	0	Fog
6	0.04	Rain

Date	Precip. (in)	Events
7	0.1	Rain
8	0.39	Rain, Thunderstorm
9	0	
10	0.03	Rain
11	0.53	Rain
12	0.06	Rain
13	0	
14	0.01	Fog
15	0	Fog
16	0	
17	0.01	
18	0	Fog
19	0	Fog
20	0	
21	0	
22	0	Fog
23	0.01	Fog
24	0.01	Fog
25	0	
26	0.01	Fog
27	0.06	Rain
28	0	
29	0	
30	0.01	Rain
31	0.01	Rain
2013	Precip. (in)	Events
Nov	sum	
1	0	Rain
2	0.38	Rain
3	0.02	Rain
4	0.01	Rain
5	0.05	Rain
6	0.09	Rain
7	0.94	Rain
8	0	
9	0.09	Rain
10	0	Rain

Date	Precip. (in)	Events
11	0	
12	0.14	Rain
13	0	
14	0.01	Rain
15	0.08	Rain
16	0	
17	0.05	Rain
18	0.8	Rain
19	0.11	Rain
20	0	
21	0	
22	0	
23	0.08	
24	0	
25	0	Fog
26	0	Fog, Rain
27	0	
28	0	Fog
29	0.01	Fog
30	0.06	Rain
2013	Precip. (in)	Events
Dec	sum	
1	0.03	Rain
2	0.11	Rain
3	0.01	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	Snow
10	0	
11	0	Fog
12	0.22	Fog, Rain
13	0.01	
14	0	
15	0.03	Rain
16	0	Fog
17	0	

Date Precip. (in) Events

18	0.04	Rain
19	0	
20	0.1	Rain, Snow
21	0.22	Rain
22	0.21	Rain
23	0.01	Rain
24	0	
25	0	Fog
26	0	Fog
27	0.03	Fog, Rain
28	0	Fog
29	0	Fog
30	0.02	Rain
31	0.01	Fog
2014	Precip. (in)	Events
Jan	sum	
1	0.01	Fog, Rain
2	0.53	Rain
3	0.03	Rain
4	0	
5	0	Fog
6	0	
7	0.34	Rain
8	0.44	Rain
9	0.09	Rain
10	0.15	Rain
11	0.91	Rain
12	0.02	Rain
13	0.01	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	Fog

Date Precip. (in) Events

22	0	
23	0	
24	0	Fog
25	0	Fog
26	0	Fog
27	0	Fog
28	0.35	Rain
29	0.77	Rain
30	0.01	
31	0.03	Rain
2014	Precip. (in)	Events
Feb	sum	
1	0.02	Fog, Rain
2	0	Fog
3	0	
4	0	
5	0	
6	0	
7	0	
8	0.09	Snow
9	0.01	Rain, Snow
10	0.54	Rain
11	0.75	Rain
12	0.14	Rain
13	0	Rain
14	0.41	Rain
15	0.51	Rain
16	1.41	Rain
17	0.44	Rain
18	0.62	Rain
19	0.02	Rain
20	0.03	Rain
21	0.23	Rain
22	0.09	Rain
23	0.18	Rain
24	0.39	Rain
25	0	
26	0	
27	0	
28	0	

Date Precip. (in) Events

2014	Precip. (in)	Events
Mar	sum	
1	0.01	Rain
2	0.7	Rain
3	0.37	Rain
4	0.41	Rain
5	1.44	Rain
6	0.21	Rain
7	0	
8	1.12	Rain
9	0.26	Rain
10	0.44	Rain
11	0	
12	0	Fog
13	0	Rain
14	0.11	Rain
15	0.2	Rain
16	1.09	Rain
17	0.01	
18	0.01	
19	0	Rain
20	0	Rain
21	0	
22	0	
23	0	
24	0	
25	0.22	Rain
26	0.06	Rain
27	0.03	Rain
28	0.51	Rain
29	0.63	Rain
30	0.02	
31	0	
2014	Precip. (in)	Events
Apr	sum	
1	0	
2	0	
3	0.11	Rain
4	0	Rain

Date Precip. (in) Events

5	0.08	Rain
6	0	
7	0	
8	0.37	Rain
9	0.01	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0.01	Rain
16	0.41	Rain
17	0.7	Rain
18	0	
19	0.36	Rain
20	0	
21	0.14	Rain
22	0.53	Rain
23	0.22	Rain
24	0.3	Rain
25	0.05	
26	0.18	Rain
27	0	Rain
28	0	
29	0	
30	0	
2014	Precip. (in)	Events
May	sum	
1	0	
2	0	Rain
3	1.19	Rain
4	0.26	Rain
5	0.24	Rain
6	0	
7	0	
8	0.32	Rain
9	0.07	Rain
10	0	
11	0.01	
12	0	

Date Precip. (in) Events

13	0	
14	0	
15	0	
16	0	
17	0	
18	0.04	Rain
19	0	
20	0	
21	0	
22	0	
23	0.16	Rain
24	0	
25	0.27	Rain
26	0.01	
27	0	Rain
28	0.03	Rain
29	0	
30	0	
31	0	
2014	Precip. (in)	Events
Jun	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	Rain
13	0.03	Rain
14	0	Rain
15	0.01	Rain
16	0.11	Rain
17	0.05	Rain

Date Precip. (in) Events

18	0	
19	0	Rain
20	0	Rain
21	0	
22	0	
23	0	Rain
24	0	
25	0	
26	0	Rain
27	0	Rain
28	0	Rain
29	0	
30	0	
2014	Precip. (in)	Events
Jul	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	Rain
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	Rain
22	0	
23	0	Rain

Date	Precip. (in)	Events
24	0	Rain
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	
2014	Precip. (in)	Events
Aug	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	Rain
12	0	Rain
13	0	Rain
14	0	Rain
15	0	Rain
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	

Date	Precip. (in)	Events
27	0	
28	0	
29	0	
30	0	Rain
31	0	Rain
2014	Precip. (in)	Events
Sep	sum	
1	0	Rain
2	0	Rain
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	Rain
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	Rain
18	0	Rain
19	0	
20	0	
21	0	
22	0	
23	0	Rain
24	0.66	Rain
25	0.27	Rain
26	0.09	Rain

Date	Precip. (in)	Events
27	0	
28	0	
29	0	Fog, Rain
30	0	Rain
2014	Precip. (in)	Events
Oct	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	Fog, Rain
11	0	Rain
12	0	Rain
13	0	Rain
14	0.11	Rain
15	0.45	Rain
16	0	Rain
17	0.14	Rain
18	0.31	Rain
19	0	
20	0.44	Rain
21	0.1	Rain
22	1.43	Rain
23	0.35	Rain
24	0.13	Rain
25	0.37	Rain
26	0.05	Rain
27	0.01	Rain
28	0.34	Rain
29	0.04	Rain
30	0.67	Rain
31	0.77	Rain

Date Precip. (in) Events

2014	Precip. (in)	Events
Nov	sum	
1	0	
2	0.11	Rain
3	0.24	Rain
4	0.05	Rain
5	0.27	Rain
6	0.22	Rain
7	0	
8	0	
9	0.29	Rain
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0	Rain
20	0.11	Rain
21	0.67	Rain
22	0.03	Rain
23	0.42	Rain
24	0.01	Rain
25	0.33	Rain
26	0.01	Rain
27	0.04	Rain
28	1.39	Rain
29	0.06	Rain, Snow
30	0	
2014	Precip. (in)	Events
Dec	sum	
1	0	
2	0	
3	0	
4	0.05	Rain
5	0.09	Rain

Date Precip. (in) Events

6	0.25	Rain
7	0	Fog
8	0.45	Rain
9	0.42	Rain
10	0.5	Rain
11	0.33	Rain
12	0	
13	0.01	
14	0	Fog
15	0	
16	0	Rain
17	0.16	Rain
18	0.6	Rain
19	0.13	Rain
20	0.6	Rain
21	0	
22	0	
23	0.61	Rain
24	0.12	Rain
25	0	
26	0	
27	0.12	Rain
28	0.06	Rain
29	0	
30	0	
31	0	
2015	Precip. (in)	Events
Jan	sum	
1	0	
2	0.03	
3	0	Rain
4	0.22	Rain
5	0.07	Rain
6	0.01	Fog
7	0	
8	0	Fog
9	0.01	Fog, Rain

Date Precip. (in) Events

10	0.18	Rain
11	0.06	Fog, Rain
12	0	Rain
13	0	
14	0	
15	0.43	Rain
16	0	
17	0.76	Rain
18	0.23	Rain
19	0.03	Rain
20	0	
21	0	Fog
22	0.03	Rain
23	0.08	Rain
24	0.02	
25	0.01	
26	0	Fog
27	0.02	Rain
28	0	
29	0	
30	0	Fog
31	0	Fog
2015	Precip. (in)	Events
Feb	sum	
1	0.04	Rain
2	0.3	Rain
3	0.03	Fog, Rain
4	0.3	Fog, Rain
5	0.87	Rain
6	0.75	Rain
7	0.82	Rain
8	0.15	Rain
9	0.15	Rain
10	0.02	Rain
11	0	
12	0.02	Rain
13	0	Rain
14	0.05	Rain
15	0	

Date Precip. (in) Events

16	0	
17	0	
18	0	
19	0.03	Rain
20	0.02	Rain
21	0	
22	0	
23	0	
24	0	
25	0.07	Rain
26	0.22	Rain
27	0.73	Rain
28	0	
2015	Precip. (in)	Events
Mar	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	Rain
8	0	
9	0	
10	0	Fog, Rain
11	0.09	Rain
12	0	
13	0.04	Rain
14	0.54	Rain
15	2.2	Rain
16	0	
17	0.03	Rain
18	0	
19	0.01	Rain
20	0.12	Rain
21	0.13	Rain
22	0.07	Rain
23	0.2	Fog, Rain
24	0.27	Rain
25	0.15	Rain

Date Precip. (in) Events

26	0	
27	0.01	Rain
28	0	
29	0	
30	0.02	Rain
31	0.31	Rain
2015	Precip. (in)	Events
Apr	sum	
1	0.05	Rain
2	0	Rain
3	0.05	Rain
4	0	
5	0	
6	0	Rain
7	0.01	Rain
8	0	
9	0	
10	0.52	Rain
11	0.02	Rain
12	0	
13	0.46	Rain
14	0.05	Rain
15	0	Rain
16	0	Rain
17	0	
18	0	Rain
19	0	
20	0	Rain
21	0.16	Rain
22	0	
23	0.1	Rain
24	0.15	Rain
25	0.01	
26	0	
27	0	Rain
28	0.11	Rain
29	0.01	
30	0	
2015	Precip. (in)	Events

Date Precip. (in) Events

May	sum	
1	0	
2	0	
3	0	
4	0	
5	0.18	Rain
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	Rain
12	0.11	Rain
13	0.14	Rain
14	0	
15	0.01	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	
22	0	
23	0	Rain
24	0	
25	0	
26	0	
27	0	
28	0	
29	0	
30	0	
31	0	
2015	Precip. (in)	Events
Jun	sum	
1	0.09	Rain
2	0	
3	0	
4	0	
5	0	
6	0	

Date	Precip. (in)	Events
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0.07	Rain
20	0	
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0	Rain, Thunderstorm
29	0.01	Rain
30	0	
2015	Precip. (in)	Events
Jul	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	

Date	Precip. (in)	Events
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0.13	Rain
22	0	
23	0	
24	0.01	Rain
25	0.02	Rain
26	0.1	Rain
27	0.01	
28	0	
29	0	
30	0	
31	0	
2015	Precip. (in)	Events
Aug	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	Rain
11	0	
12	0.04	Rain, Thunderstorm
13	0	
14	0.57	Rain, Thunderstorm
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	

Date	Precip. (in)	Events
21	0	
22	0	
23	0	
24	0	
25	0	
26	0	
27	0	
28	0.01	Rain
29	0.18	Rain
30	0.24	Rain
31	0.06	Rain
2015	Precip. (in)	Events
Sep	sum	
1	0.17	Rain
2	0.02	Rain
3	0	
4	0	
5	0.06	Rain
6	0.19	Rain
7	0	
8	0	
9	0	
10	0.01	
11	0	
12	0	
13	0.03	Rain
14	0	
15	0	
16	0.04	Rain
17	0.58	Rain
18	0.01	
19	0	
20	0.09	Rain
21	0	
22	0	
23	0	
24	0	
25	0.03	Rain
26	0	
27	0	

Date	Precip. (in)	Events
28	0	
29	0	Rain
30	0	
2015	Precip. (in)	Events
Oct	sum	
1	0.01	Fog
2	0	
3	0	
4	0	
5	0	
6	0.01	
7	0.38	Rain
8	0	
9	0.01	Fog, Rain
10	0.77	Rain
11	0	
12	0.34	Rain
13	0.07	Rain
14	0	
15	0	
16	0.01	
17	0.04	Rain
18	0.16	Rain
19	0	Rain
20	0	
21	0	
22	0.01	Fog
23	0	Fog
24	0.01	Rain
25	0.35	Rain
26	0.09	Rain
27	0.01	
28	0.1	Rain
29	0.02	Rain
30	0.36	Rain
31	0.99	Rain
2015	Precip. (in)	Events
Nov	sum	

Date	Precip. (in)	Events
1	0.5	Rain
2	0.07	Rain
3	0.07	Rain
4	0	
5	0.01	Rain
6	0.01	Rain
7	0.49	Rain
8	0.38	Rain
9	0.16	Rain
10	0.06	Fog, Rain
11	0.05	Rain
12	0.24	Rain
13	1.31	Rain
14	1.64	Rain
15	0.75	Rain
16	0.09	Rain
17	0.74	Rain
18	0.03	Rain
19	0.08	Rain
20	0	
21	0	
22	0	
23	0.12	Rain
24	0.21	Rain
25	0	
26	0	
27	0	
28	0	Snow
29	0	Fog
30	0.01	Fog, Rain
2015	Precip. (in)	Events
Dec	sum	
1	0.39	Rain
2	0.06	Rain
3	0.52	Rain
4	0.12	Rain
5	0.81	Rain
6	0.55	Rain
7	1.06	Rain

Date	Precip. (in)	Events
8	1.51	Rain
9	0.56	Rain, Thunderstorm
10	0.63	Rain, Thunderstorm
11	0.01	Rain
12	0.56	Rain
13	0.11	Rain
14	0	Snow
15	0.02	Fog, Rain
16	0.13	Rain
17	0.82	Rain
18	0.54	Rain
19	0.01	Rain
20	0.19	Rain
21	0.83	Rain
22	0.12	Rain
23	0.09	Rain
24	0.11	Rain
25	0.05	Rain
26	0	
27	0.32	Rain
28	0.03	Rain
29	0	
30	0	
31	0	
2016	Precip. (in)	Events
Jan	sum	
1	0	
2	0	
3	0.01	Rain, Snow
4	0.07	Rain
5	0.11	Rain
6	0	
7	0	Fog
8	0	Fog
9	0	Fog
10	0	
11	0.09	Rain
12	0.52	Rain

Date	Precip. (in)	Events
13	0.57	Rain
14	0	
15	0.04	Rain, Snow
16	0.41	Rain
17	0.32	Rain
18	0.05	Rain
19	0.46	Rain
20	0.2	Rain
21	0.82	Rain
21	1.27	Rain
22	0.27	Rain
23	0.53	Rain
24	0	
25	0	
26	0.27	Rain
27	0.8	Rain
28	0.52	Rain
29	0.18	Rain
30	0.02	Rain
31	0	
2016	Precip. (in)	Events
Feb	sum	
1	0.25	Rain
2	0.02	Fog , Rain
3	0.48	Rain
4	0.05	Rain
5	0.15	Rain
6	0	
7	0	
8	0	
9	0	Fog
10	0.16	Rain
11	0.37	Rain
12	0.86	Rain
13	0.36	Rain
14	0	
15	0.12	Rain
16	0.01	Rain

Date	Precip. (in)	Events
17	0.46	Rain
18	0.12	Rain
19	0.49	Rain
20	0	Rain
21	0.07	Rain
22	0.01	Rain
23	0	
24	0.02	Rain
25	0	Fog , Rain
26	0.15	Rain
27	0.08	Rain
28	0.68	Rain
29	0.12	Rain
2016	Precip. (in)	Events
Mar	sum	
1	0.71	Rain
2	0.27	Rain
3	0.03	Rain
4	0.21	Rain
5	0.2	Rain
6	0.39	Rain
7	0.26	Rain
8	0.03	Rain
9	0.97	Rain
10	0.32	Rain
11	0.35	Fog , Rain
12	0.2	Rain
13	0.52	Rain
14	0.06	Rain, Thunderstorm
15	0	
16	0	
17	0	
18	0	
19	0	
20	0.08	Rain
21	0.28	Rain
22	0.01	Rain
23	0.13	Rain

Date	Precip. (in)	Events
24	0	Rain
25	0	
26	0.04	Rain
27	0.48	Rain
28	0	Rain
29	0	
30	0	
31	0	
2016	Precip. (in)	Events
Apr	sum	
1	0	
2	0	
3	0.12	Rain
4	0.17	Rain
5	0	
6	0	
7	0	
8	0	
9	0	
10	0	
11	0	
12	0.44	Rain
13	0	Rain
14	0.2	Rain
15	0	
16	0	
17	0	
18	0	
19	0	
20	0	
21	0	Rain
22	0.02	Rain
23	0.02	Rain
24	0.27	Rain
25	0.1	
26	0	
27	0	
28	0	
29	0.04	Rain

Date Precip. (in) Events

30	0	
2016	Precip. (in)	Events
May	sum	
1	0	
2	0	
3	0	
4	0	
5	0	
6	0	
7	0	
8	0.02	Rain
9	0	
10	0	
11	0	
12	0	
13	0	
14	0	
15	0	
16	0	
17	0	
18	0	
19	0.22	Rain
20	0	
21	0.04	Rain
22	0	
23	0	
24	0	
25	0	
26	0	
27	0.02	Rain
28	0.03	Rain
29	0	
30	0	
31	0	
2016	Precip. (in)	Events
Jun	sum	
1	0	
2	0	
3	0	

Date Precip. (in) Events

4	0	
5	0	
6	0	
7	0	

Date Precip. (in) Events